

AMENDMENTS TO THE SPECIFICATION

Please replace the first paragraph on page 22 of the Specification with the paragraph set forth below in order to correctly spell the element "gadolinium":

A wavelength converting member 3 is a layer-structured member called a scintillator or a phosphor, composed of a gadolinium sulfur oxide such as $\text{Gd}_2\text{O}_2\text{S}(\text{Tb})$ or an alkalimetal halide represented by cesium iodide such as $\text{CsI}(\text{Tl})$.

Please replace the last complete paragraph on page 52 of the Specification to correct the drawing designation on lines 21 and 22 to refer to Figures 31A and 31C, and Figures 31B and 31D.

Figs. 31A to 31D are schematic views showing a producing method for the X-ray image pickup unit, wherein Figs. 31A and 31C are cross-sectional views while Figs. 31B and 31D are plan views. The lateral faces of the fiber plate 2A are polished, and the longitudinal and transversal dimensions of the fiber plate 2A are substantially equal to those of the image pickup element 1A whereby they have approximately same areas.